

METRIC

A-A-20175B

May 23, 2003

SUPERSEDING

A-A-20175A

October 7, 1997

COMMERCIAL ITEM DESCRIPTION

CHEWING GUM

The U.S. Department of Agriculture (USDA) has authorized the use of this Commercial Item Description (CID).

1. SCOPE. This CID covers chewing gum, packed in commercially acceptable containers, suitable for use by Federal, State, local governments, and other interested parties; and as a component of operational rations.

2. PURCHASER NOTES.

2.1 Purchasers *shall specify* the following:

- Type(s), size(s), class(es), and flavor(s) of chewing gum required (Sec. 3).
- When the age requirement at the time of delivery is other than specified (Sec. 5.5).
- When analytical requirements are different than specified (Sec. 6.1).
- When analytical requirements need to be verified (Sec. 6.2).
- Manufacturer's/distributor's certification (Sec. 9.2) or USDA certification (Sec. 9.3).

2.2 Purchasers *may specify* the following:

- Manufacturer's quality assurance (Sec. 9.1 with 9.1.1) or (Sec. 9.1 with 9.1.2).
- Packaging requirements other than commercial (Sec. 10).

3. CLASSIFICATION. The chewing gum shall conform to the following list which shall be specified in the solicitation, contract, or purchase order.

Types, sizes, classes, and flavors.

Type I - Tablet

Size A - Miniature

Size B - Regular

AMSC N/A

FSC 8925

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Size C - Large

Type II - Stick

Type III - Slab

Type IV - Chunk

Type V - Center-Filled, square

Type VI - Center-Filled, round/oval

Class 1 - Regular

Class 2 - Sugarfree

Flavor a - Peppermint

Flavor b - Spearmint

Flavor c - Cinnamon

Flavor d - Wintergreen

Flavor e - Fruit, as specified (*e.g.*, cherry, grape, citrus, or mixed variety)

Flavor f - Bubble gum

Flavor g - Other, as specified

4. MANUFACTURER'S/DISTRIBUTOR'S NOTES. Manufacturer's/distributor's products shall meet the requirements of the:

- Salient characteristics (Sec. 5).
- Analytical requirements: *as specified by the purchaser* (Sec. 6).
- Manufacturer's/distributor's product assurance (Sec. 7).
- Regulatory requirements (Sec. 8).
- Quality assurance provisions: *as specified by the purchaser* (Sec. 9).
- Packaging requirements other than commercial: *as specified by the purchaser* (Sec. 10).

5. SALIENT CHARACTERISTICS.

5.1 Processing. The chewing gum shall be prepared and packaged in accordance with good commercial practice (21 CFR Part 110).

5.2 Ingredients.

5.2.1 Types I - VI, Class 1 Regular. The Type I tablet center and Type II, III, IV, V, and VI chewing gums shall contain: sucrose, dextrose, or corn syrup (singly or in combination), water-insoluble chewing gum base, softening and plasticizing ingredients, humectant, flavoring, and approved colorants (when applicable). The Type I tablet coating may contain gum, gelatin, starch, or other protective

materials and colorants. The Type V and Type VI center filling shall contain a flavored syrup to which color may be added.

5.2.2 Types I - VI, Class 2 Sugarfree. The Type I tablet center and Types II - VI chewing gums shall contain any one of the following polyols singly or in combination: sorbitol, mannitol, isomalt, maltitol, lactitol, and xylitol. In addition, the sugarfree gums shall contain gum base, glycerin, softening and plasticizing ingredients, flavoring, artificial sweeteners, and approved colorants (when applicable). The Type I tablet coating may contain gum, film formers, gum arabic, flavoring, colorants, and any one of the following polyols singly or in combination: sorbitol, mannitol, isomalt, maltitol, lactitol, and xylitol. The Type V and Type VI center filling shall contain a flavored sugarfree syrup to which color may be added.

5.3 Finished product. The chewing gum shall be fresh and shall not be sticky, grainy, flabby, or stringy.

5.3.1 Type I. Each Size A tablet of chewing gum shall weigh not more than 0.15 g (0.0053 oz) per piece and the dimensions shall not exceed 0.762 cm (0.3 in) in length, 0.635 cm (0.25 in) in width, and 0.381 cm (0.15 in) in thickness. Each Size B tablet of chewing gum shall weigh between 1.3 - 1.6 g (0.046 - 0.056 oz) and the dimensions shall range between 1.4 - 2.5 cm (0.55 - 0.98 in) in length, 0.9 - 1.6 cm (0.35 - 0.63 in) in width and 0.4 - 0.9 cm (0.16 - 0.35 in) in thickness. Each Size C tablet of chewing gum shall weigh not less than 2.5 g (0.088 oz) and the dimensions shall not be less than 1.65 cm (0.65 in) in length, 1.65 cm (0.65 in) in width, and 0.381 cm (0.15 in) inches in thickness.

5.3.1.1 Candy coating. The candy coating for the Type I chewing gum shall be applied by the hot- or cold-pan method. Colored coating is acceptable. The coating shall cover the centers completely and shall be free from pits, cracks, and the appearance of discoloration. A suitable glaze or polish may be used to finish the pieces.

5.3.2 Type II. Each stick of chewing gum shall weigh between 2.6 - 3.2 g (0.092 - 0.113 oz) and the dimensions shall not exceed 7.62 cm (3.00 in) in length, 2.22 cm (0.875 in) in width, and 0.24 cm (0.094 in) in thickness. The Type II chewing gum shall not be brittle or hard.

5.3.3 Type III. Each slab of chewing gum shall weigh between 1.7 - 2.2 g (0.06 - 0.078 oz) per piece and the dimensions shall not exceed 3.96 cm (1.56 in) in length, 1.35 cm (0.53 in) in width, and 0.46 cm (0.18 in) in thickness.

5.3.4 Type IV. Each chunk of chewing gum shall weigh between 3.0 - 8.1 g (0.11 - 0.29 oz) and the piece dimensions shall not exceed 2.79 cm (1.10 in) in length, 1.98 cm (0.78 in) in width, and 1.42 cm (0.56 in) in thickness.

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5.3.5 Type V. Each piece of square, center-filled chewing gum shall weigh between 3.6 - 4.0 g (0.13 - 0.14 oz) and the dimensions shall not exceed 1.94 cm (0.765 in) by 1.94 cm (0.765 in), and 1.23 cm (0.485 in) in thickness.

5.3.6 Type VI. Each piece of round/oval, center-filled chewing gum shall weigh between 5.5 - 6.1 g (0.19 - 0.215 oz) and the dimensions shall not exceed 2.31 cm (0.91 in) by 1.50 cm (0.59 in).

5.3.7 Flavor. The flavor of the gum shall be in an amount sufficient to impart a characteristic taste sensation.

5.4 Foreign material. All ingredients shall be clean, sound, wholesome, and free from evidence of rodent or insect infestation.

5.5 Age requirement. Unless otherwise specified in the solicitation, contract, or purchase order, the chewing gum shall be processed and packaged not more than 90 days prior to delivery to the purchaser. Age requirements for Department of Defense (DoD) procurements shall be specified in the solicitation, contract or purchase order.

6. ANALYTICAL REQUIREMENTS.

6.1 Analytical requirements. Unless otherwise specified in the solicitation, contract, or purchase order, the analytical requirements for the chewing gum shall be as follows:

Table I. Water-insoluble base 1/

Type I	NLT 13.0% <u>2/</u>
Type II	NLT 14.0%
Type III	NLT 19.0%
Type IV	NLT 18.0%
Type V and VI <u>3/</u>	NLT 13.0%

1/ Percent by weight

2/ NLT = Not less than

3/ includes the liquid center

6.2 Product verification. When USDA verification of analytical requirements is specified in the solicitation, contract, or purchase order, the following procedures will be followed.

6.2.1 Sampling procedures. Five packages, sticks, chunks, or servings shall be selected at random from the lot.

6.2.1.1 Preparation of sample. Weigh the individual samples (a minimum of 2 tablets, 1 stick, 1 slab, 1 chunk, or 1 piece). In the case of miniature tablets, a suitable single serving shall be approximated and weighed. Chew each sample vigorously for 10 minutes. Spread the chewed gum as evenly and thinly as possible on a previously dried and tared glass or metal plate or disposable aluminum weighing dish approximately 2 inches square.

6.2.2 Examination for water-insoluble base. Dry the sample at 100°C in a vacuum oven at a pressure not more than 100 mm of mercury for at least 2 hours or in a gravity convection oven for at least 4 but not more than 5 hours. Cool in a desiccator, weigh, and calculate the percentage of water-insoluble base for each sample.

$$\frac{\text{Weight of water-insoluble gum base}}{\text{Original sample weight}} \times 100$$

6.3 Test results. The test result for water-insoluble base shall be reported to the nearest 0.1 percent. Any result not conforming to the finished product requirements shall be cause for rejection of the lot.

7. MANUFACTURER'S/DISTRIBUTOR'S PRODUCT ASSURANCE. The manufacturer/distributor shall certify that the chewing gum provided shall meet the salient characteristics of this CID, conform to their own specifications, standards, and quality assurance practices, and be the same chewing gum for sale in the commercial market. The purchaser reserves the right to require proof of conformance.

8. REGULATORY REQUIREMENTS. The delivered chewing gum shall comply with all applicable Federal, State, and local mandatory requirements and regulations relating to the preparation, packaging, labeling, storage, distribution, and be the same chewing gum offered for sale within the commercial marketplace. Delivered chewing gum shall comply with all applicable provisions of the Federal Food, Drug, and Cosmetic Act, the Fair Packaging and Labeling Act, and regulations promulgated thereunder.

9. QUALITY ASSURANCE PROVISIONS. *Purchaser shall specify 9.2 or 9.3; purchaser may specify 9.1 with 9.1.1 or 9.1 with 9.1.2.*

9.1 Manufacturer's quality assurance. When required in the solicitation, contract, or purchase

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order, the product manufacturer shall be required to provide evidence, by certificate, that the manufacturing plant has undertaken one of the following quality assurance measures within 12 months prior to providing a bid, or no later than 10 business days from the date of awarding of the contract. Failure to provide this documentation within the proper time frame may result in the contract being terminated for cause.

9.1.1 Plant systems audit. A plant systems audit (PSA) conducted by USDA, Agricultural Marketing Service (AMS), or another audit performed by a third party auditing service and is required within 12 months prior to the date of the awarding of the contract. *(An AMS PSA verifies the manufacturer's capability to produce products in a clean, sanitary environment in accordance with Title 21 Code of Federal Regulations, Part 110 - Current Good Manufacturing Practice in Manufacturing, Packing, or Holding Human Food, and verifies that the manufacturer has in place an internal quality assurance program. The AMS PSA determines the manufacturer's ability to produce under this CID, if the products of interest are identified at the time of the PSA.)*

9.1.2 Plant survey. A plant survey conducted by USDA, AMS, or another survey performed by a third party auditing service and is required within 12 months prior to the date of the awarding of the contract. *(An AMS plant survey audit verifies that, at the time of the survey, the manufacturer produces products in a clean, sanitary environment in accordance with Title 21 Code of Federal Regulations Part 110 – Current Good Manufacturing Practice in Manufacturing, Packing, or Holding Human Food.)*

9.2 Manufacturer's/distributor's certification. When required in the solicitation, contract, or purchase order, the manufacturer/distributor will certify that the finished chewing gum distributed meets or exceeds the requirements of this CID.

9.3 USDA certification. When required in the solicitation, contract, or purchase order that product quality or acceptability or both be determined, the Processed Product Branch (PPB), Fruit and Vegetable Programs (FVP), AMS, USDA, shall be the certifying program. PPB inspectors shall certify the quality and acceptability of the chewing gum in accordance with PPB procedures which include selecting random samples of the packaged chewing gum, evaluating the samples for conformance with the salient characteristic of this CID and other contractual requirements, and documenting the findings on official PPB score sheets and/or certificates. In addition, when required in the solicitation, contract, or purchase order, PPB inspectors will examine the chewing gum for conformance to the United States Standards of Condition of Food Containers in effect on the date of the solicitation.

10. PACKAGING. Preservation, packaging, packing, labeling, and case marking shall be commercial unless otherwise specified in the solicitation, contract, or purchase order.

11. USDA INSPECTION NOTES. When Section 9.3 is specified in the solicitation, contract, or purchase order, USDA certification shall include evaluation of the quality and condition of the samples of chewing gum, and compliance with requirements in the following areas:

- Salient Characteristics (Sec. 5).
- Analytical requirements *when specified in the solicitation, contract, or purchase order* (Sec. 6.2). When USDA analytical testing is specified, PPB inspection personnel shall select samples and submit them to the USDA, Science and Technology Program (S&TP) laboratory for analysis.
- Packaging requirements (Sec. 10 or as specified in the solicitation, contract, or purchase order).

12. REFERENCE NOTES.

12.1 USDA certification contacts. For USDA certification, contact the **Branch Chief, PPB, FVP, AMS, USDA STOP 0247, 1400 Independence Avenue, SW, Washington, DC 20250-0247,** telephone (202) 720-4693 Fax (202) 690-1527, or via E-mail: Terry.Bane@usda.gov.

12.2 Analytical testing and technical information. For USDA technical information on analytical testing, contact the **Branch Chief, Technical Service Branch, S&TP, AMS, USDA, STOP 0272, 1400 Independence Avenue, SW, Washington, DC 20250-0272,** telephone (202) 690-0621, or via E-mail: anita.okrend@usda.gov.

12.3 Sources of documents.

12.3.1 Sources of information for governmental documents are as follows:

Applicable provisions of Fair Packaging and Labeling Act are contained in 16 CFR Parts 500 to 503. The Federal Food, Drug, and Cosmetic Act are contained in 21 CFR Parts 1 to 199. These documents may be purchased from: **Superintendent of Documents, ATTN: New Orders, P.O. Box 371954, Pittsburgh, PA 15250-7954.** Credit card (MasterCard or Visa) purchases may be made by calling the Superintendent of Documents on (202) 512-1800 or on the Internet at: <http://www.access.gpo.gov/nara>.

Copies of this CID and the United States Standards for Condition of Food Containers are available from: **Head, Food Quality Assurance Staff, FVP, AMS, USDA, STOP 0243, 1400 Independence Ave., SW, Washington, DC 20250-0243,** telephone (202) 720-9939, Fax (202) 690-0102, via E-mail: FQAStaff@usda.gov or on the Internet at: <http://www.ams.usda.gov/fv/fvqual.htm>.

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Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: **Commander, Defense Supply Center Philadelphia, ATTN: DSCP-HSL, 700 Robbins Avenue, Philadelphia, PA 19111-5092 or FAX (215) 737-2963, or via E-mail: Sally.A.Gallagher@dla.mil.**

Military activities should submit requests for copies of this CID to: **Standardization Documents Order Desk, Document Automation and Production Service, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.**

MILITARY INTERESTS:

Custodians

Army - GL
Navy - SA
Air Force - 35

CIVIL AGENCY COORDINATING ACTIVITIES:

DOJ - BOP
HHS - NIH, IHS
USDA - FV
VA - OSS

PREPARING ACTIVITY:

Review Activities

Army - MD, QM
Navy - MC

DLA - SS
(Project No. 8925-P095)

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